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If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement.

Prepared By: Norris Beebe
Approved By: James H. Guest
Accepted By: John
Acceptance Date: 3/27/09
Compliance tests were conducted on the subject 2009 Nissan Rogue four-door MPV in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110T-02 for the determination of FMVSS 110 compliance. Test failures identified were as follows: None.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SECTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Introduction</td>
<td>1</td>
</tr>
<tr>
<td>2 Test Procedure and Summary of Results</td>
<td>2</td>
</tr>
<tr>
<td>3 Test Data</td>
<td>3</td>
</tr>
<tr>
<td>4 Test Equipment List and Calibration Information</td>
<td>19</td>
</tr>
<tr>
<td>5 Photographs</td>
<td>20</td>
</tr>
</tbody>
</table>

**Figure**

5.1 ¾ Front View from Left Side of Vehicle
5.2 ¾ Rear View from Right Side of Vehicle
5.3 Vehicle Certification Label
5.4 Vehicle Placard
5.5 Tire Showing Brand
5.6 Tire Showing Model
5.7 Tire Showing Size, Load Index and Speed Symbol
5.8 Tire Showing Max Load Rating and Max Inflation Pressure
5.9 Tire Showing Serial Number
5.10 Rim Showing Letter Designation for Source of Published Dimensions, Size, DOT Name, Manufacturer’s Name, Date of Manufacture, and Other Rim Markings
5.11 Other Rim Markings
5.12 Rim Contour for Full Width of Cross Section
5.13 Vehicle Rear Seat Ballasted for Normal Load
5.14 Vehicle Front Seat Ballasted for Normal and Maximum Loads
5.15 Vehicle Rear Seat Ballasted for Maximum Load
5.16 Rear of Vehicle Shown Ballasted for Maximum Load
5.17 Vehicle on Weight Scales
SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2009 Nissan Rogue four-door MPV was tested to determine if the vehicle was in compliance with the requirements of FMVSS 110. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedure, TP-110T-02, dated August 31, 2007.

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation. This standard also establishes location, content, and format requirements for the Vehicle Placard and optional Tire Inflation Pressure Label.

1.2 TEST VEHICLE

The test vehicle was a 2009 Nissan Rogue four-door MPV. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: JN8AS58T59W320598

B. NHTSA Number: C95205

C. Manufacturer: Nissan Motor Company, Ltd.

D. Manufacture Date: 07/2008

1.3 TEST DATE

The test vehicle was tested February 23 through February 25, 2009.
SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.1 TEST PROCEDURE

The test vehicle was inspected for completeness, systems operability, and appropriate fuel and liquid levels, i.e. oil and coolant. The vehicle was then photographically documented as required by the NHTSA/OVSC Test Procedure. Tire sidewall information was recorded. The owner’s manual was reviewed. Pertinent information from the tire and rim was photographed.

Subsequent events included weighing the vehicle to establish delivered Unloaded Vehicle Weight and the distribution of weight on the front and rear axles and each wheel position. The vehicle was ballasted to its Normal Load, Full Occupant Load, and Maximum Vehicle Load weight. At each step of the ballasting procedure, data was recorded. Ballast was photographically documented for Normal and Maximum Vehicle Load weight. The vehicle maximum load on each wheel was measured. Data from each tire furnished with the vehicle were recorded. Tire size information was taken from vehicle certification label and vehicle placard. The right front wheel was removed from the vehicle and the tire was dismounted from the rim. The rim was measured from flange to flange, and rim markings were photographically documented. The owner’s manual was checked for all required information on tire loading, and on general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The Nissan Rogue test vehicle appears to be in compliance with all FMVSS 110 requirements.
SECTION 3

TEST DATA
VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205 VIN: JN8AS58T59W320598

VEHICLE TYPE: MPV DATE OF MANUFACTURE: 07/2008

LABORATORY: US DOT San Angelo Test Facility

LIGHT TRUCK TYPE REQUIREMENTS

General (Data Sheet 2)

The vehicle must be equipped with tires that meet the requirements of S139. (S110, S4.1)

PASS

Tire Load Limits (Data Sheet 2)

The sum of the maximum load ratings of the tires fitted to an axle is not less than the gross axle weight rating (GAWR) of the axle system as specified on the certification label. When passenger car tires are installed, each tire’s load rating is reduced by dividing it by 1.10 before determining the sum of the maximum load ratings of the tires fitted to an axle. (S110, S4.2.2.1, S4.2.2.2)

PASS

When passenger car tires are installed, the vehicle normal load on the tire is not greater than the value of 94 percent of the de-rated load rating at the vehicle manufacturer’s recommended cold inflation pressure for that tire. When LT tires are installed, the vehicle normal load on the tire is not greater than the value of 94 percent of the load rating at the vehicle manufacturer’s recommended cold inflation pressure for that tire. (S110, S4.2.2.3(a), (b))

PASS

Rim (Data Sheet 3)

Each rim is constructed to the dimensions of a rim referred to in FMVSS 139 that is listed by the manufacturer of the tires as suitable for use with those tires. (S110, S4.4.1(a))

PASS

Vehicle rims retain deflated tires during a controlled brake application. (S110, S4.4.1(b))

See Remarks

Each rim is properly marked. (S110, S4.4.2)

PASS
Certification, Placard, and Tire Inflation Pressure Labels (Data Sheet 4)

The placard and tire inflation pressure label (if provided) are affixed and located correctly, and display the information and format required. (S110, S4.3)  

PASS

The Part 567 certification label shows the size designation of the tires and and rims appropriate for the vehicle including the tire size(s) listed on the vehicle placard and, if provided, tire inflation pressure label. (S110, S4.3.3)  

PASS

No inflation pressure other than the maximum permissible inflation pressure is shown on the placard and, if any, tire inflation pressure label unless as required. (S110, S4.3.4)  

PASS

Vehicle Weight Distribution (Data Sheet 5)

The Gross Vehicle Weight Rating (GVWR) is not less than the sum of the unloaded vehicle weight, rated cargo load, and 68 kg times the vehicle’s designated seating capacity. However, for school buses, the minimum occupant weight allowance is 54 kg. (49 CFR 567, Certification)  

PASS

Owner’s Manual (Data Sheet 6)

Owner’s manual or other document has discussion of Vehicle Placard, Loading and Tires. (575.6(a)(4))  

PASS

Owner’s manual includes exact statement relating to “Steps for Determining Correct Load Limits”. (575.6(a)(5))  

PASS

REMARKS: The rim retention test required by FMVSS No.110, paragraph S4.4.1(b) was not executed on the subject Nissan Rogue.

RECORDED BY: Todd P. Groghan           DATE: February 23, 2009

APPROVED BY: Kenneth H. Yates
DATA SHEET 1
TEST VEHICLE INFORMATION / RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205 TEST DATE: February 23, 2009

VIN: JN8AS58T59W320598 MANUFACTURE DATE: 07/2008

GVWR: 1,920 kg (4,233 lbs) GAWR (front): 1,017 kg (2,241 lbs)

GAWR (rear): 911 kg (2,008 lbs)

SEATING POSITIONS: FRONT 2 MID N/A REAR 3

ODOMETER READING AT START OF TEST: 105 km (65 mi)

ENGINE DATA: 4 Cylinders 2.5 Liters ___ Cubic Inches

TRANSMISSION DATA: ___ Automatic ___ Manual CVT* No. of Speeds

FINAL DRIVE DATA: ____ Rear Drive ___ Front Drive 4 Wheel Drive

CHECK APPROPRIATE BOXES FOR INSTALLED VEHICLE EQUIPMENT:

<table>
<thead>
<tr>
<th>X</th>
<th>Air Conditioning</th>
<th>X</th>
<th>Traction Control</th>
<th>X</th>
<th>Clock</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tinted Glass</td>
<td>X</td>
<td>Tachometer</td>
<td></td>
<td>Roof Rack</td>
</tr>
<tr>
<td>X</td>
<td>Power Steering</td>
<td>X</td>
<td>Cruise Control</td>
<td>X</td>
<td>Console</td>
</tr>
<tr>
<td>X</td>
<td>Power Windows</td>
<td>X</td>
<td>Rear Window Defroster</td>
<td>X</td>
<td>Driver Air Bag</td>
</tr>
<tr>
<td>X</td>
<td>Power Door Locks</td>
<td></td>
<td>Sun Roof or T-Top</td>
<td>X</td>
<td>Passenger Air Bag</td>
</tr>
<tr>
<td></td>
<td>Power Seat(s)</td>
<td>X</td>
<td>Tilt Steering Wheel</td>
<td>X</td>
<td>Side Curtain Air Bag(s)</td>
</tr>
<tr>
<td>X</td>
<td>Power Brakes</td>
<td>X</td>
<td>Stereo</td>
<td>X</td>
<td>Front Disc Brakes</td>
</tr>
<tr>
<td>X</td>
<td>Antilock Brake System</td>
<td>Telephone</td>
<td>X</td>
<td>Rear Disc Brakes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Navigation System</td>
<td></td>
<td>Trailer Hitch</td>
<td></td>
<td>Other -</td>
</tr>
</tbody>
</table>

REMARKS: *CVT = Continuously Variable Transmission

RECORDED BY: Todd P. Groghan DATE: February 23, 2009

APPROVED BY: Kenneth H. Yates
DATA SHEET 2 (1 of 2)
VEHICLE RIM IDENTIFICATION AND LOAD LIMITS

VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205  VIN: JN8AS58T59W320598

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: February 23, 2009

All tires on the vehicle (excluding the spare) are the same make and model: (X) YES ( ) NO

All tires on the vehicle (excluding the spare) are the same size: (X) YES ( ) NO

Spare tire is the same size as all other tires: ( ) YES (X) NO

<table>
<thead>
<tr>
<th>Tire Sidewall</th>
<th>Right Front</th>
<th>Left Rear (If different)</th>
<th>Spare Tire (If different)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>Continental 4x4 Contact</td>
<td>Goodyear</td>
<td></td>
</tr>
<tr>
<td>Tire Size Designation</td>
<td>P215/70R16</td>
<td>T155/90D16</td>
<td></td>
</tr>
<tr>
<td>Load Index/Speed Symbol</td>
<td>99H</td>
<td>110M</td>
<td></td>
</tr>
<tr>
<td>Maximum Inflation Pressure</td>
<td>300 kPa (44 psi)</td>
<td>420 kPa (60 psi)</td>
<td></td>
</tr>
<tr>
<td>Maximum Load Rating</td>
<td>775 kg (1,709 lbs)</td>
<td>1,060 kg (2,337 lbs)</td>
<td></td>
</tr>
<tr>
<td>Tread/Traction/Temperature</td>
<td>350/A/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Tires Have “DOT” Markings</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

Serial Number: Right Front FDYV3AJ2708 Left Front FDYV3AJ2708

Right Rear FDYV3AJ2708 Left Rear FDYV3AJ2708

Spare 7TT3KARP
MOUNTED TIRE VS. AXLE RATING COMPARISON (at sidewall maximum inflation pressure)

<table>
<thead>
<tr>
<th></th>
<th>FRONT AXLE</th>
<th>REAR AXLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. GAWR from certification label</td>
<td>1,017 kg (2,241 lbs)</td>
<td>911 kg (2,008 lbs)</td>
</tr>
<tr>
<td>B. Tire Maximum Load Rating from above</td>
<td>775 kg (1,709 lbs)</td>
<td>775 kg (1,709 lbs)</td>
</tr>
<tr>
<td>C. Reduced tire load rating if applicable*</td>
<td>705 kg (1,554 lbs)</td>
<td>705 kg (1,554 lbs)</td>
</tr>
<tr>
<td>D. (No. of tires) x (Tire load rating de-rated if appropriate)</td>
<td>1,410 kg (3,108 lbs)</td>
<td>1,410 kg (3,108 lbs)</td>
</tr>
</tbody>
</table>

Is “D” equal to or greater than “A”? (Yes/No) Yes Yes

* If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire’s load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: February 23, 2009

APPROVED BY: Kenneth H. Yates
DATA SHEET 3
VEHICLE RIM IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205  VIN: JN8AS58T59W320598

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: February 23, 2009

Rim Markings

<table>
<thead>
<tr>
<th>Item</th>
<th>RIGHT FRONT</th>
<th>LEFT REAR (if different)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Source of published dimensions (letter designation)</td>
<td>J</td>
<td></td>
</tr>
<tr>
<td>B. Rim Size Designation</td>
<td>16x6½ JJ</td>
<td></td>
</tr>
<tr>
<td>C. Does rim contain DOT symbol? (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>D. Manufacturer’s name, symbol or trademark (copy format)</td>
<td>TOPY</td>
<td></td>
</tr>
<tr>
<td>E. Date of manufacture or symbol (copy format)</td>
<td>703 08</td>
<td></td>
</tr>
<tr>
<td>F. Letter height (not less than 3 mm)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>G. Lettering (impressed or embossed)</td>
<td>Impressed</td>
<td></td>
</tr>
<tr>
<td>H. Are all rim markings legible? (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Do items A-C appear on weather side of rim (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Do all markings comply with requirements (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

Rim Measurements

<table>
<thead>
<tr>
<th>Item</th>
<th>RIGHT FRONT</th>
<th>LEFT REAR (if different)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim width</td>
<td>16.5 cm</td>
<td>16.5 cm (6.5 in)</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>40.6 cm</td>
<td>40.6 cm (16.0 in)</td>
</tr>
<tr>
<td>Rim measurements same as rim markings?</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

Rims are suitable for tires on vehicle?  (X) YES ( ) NO

Reference source used for tire/rim match verification: 2008 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE:  PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan  DATE: February 23, 2009

APPROVED BY: Kenneth H. Yates
DATA SHEET 4 (1 of 3)
VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL

VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205
VIN: JN8AS58T59W320598

LABORATORY: US DOT San Angelo Test Facility
TEST DATE: February 23, 2009

Identification of Vehicle Labeling

<table>
<thead>
<tr>
<th>(Yes/No)</th>
<th>Location</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Certification Label*</td>
<td>Yes</td>
<td>Driver’s side B pillar</td>
</tr>
<tr>
<td>2. Vehicle Placard*</td>
<td>Yes</td>
<td>Driver’s side B pillar</td>
</tr>
<tr>
<td>3. Tire Inflation Pressure Label*</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

* Labels must be located as specified in section 12.4 of test procedure.

Vehicle Placard

Vehicle Placard has the exact color and format as specified in the above Figure 1 and text is in English language. (X) YES ( ) NO

Vehicle Placard and, if provided, Tire Inflation Pressure Label are permanently affixed. (X) YES ( ) NO
Vehicle Placard Information:

Combined weight of occupants and cargo: **408 kg (900 lbs)**

Seating Capacity: Total **5** ; Front **2** ; Rear **3**

Is the number of belted seating positions the same as the labeled seating capacity? **(X) YES** **( ) NO**

Is the tire size and pressure provided? **(X) YES** **( ) NO**

Tire Information:

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Rim Size</th>
<th>Rim Suitable for Tire?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front P215/70R16</td>
<td>16x6½</td>
<td>Yes</td>
</tr>
<tr>
<td>Rear P215/70R16</td>
<td>16x6½</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Are the sizes of the installed tires the same as the sizes of the labeled tires? **(X) YES** **( ) NO**

Is the labeled cold tire inflation pressure equal to or less than the sidewall labeled maximum cold tire inflation pressure?

Front axle: **(X) YES** **( ) NO** Rear axle: **(X) YES** **( ) NO**

Vehicle Certification Label information:

*Referenced source used for tire/rim match verification:

2008 Tire and Rim Association Yearbook
### Labeled Tire Capacity at Specified Pressure

<table>
<thead>
<tr>
<th></th>
<th>GVWR 1,920 kg (4,233 lbs)</th>
<th>Front Axle</th>
<th>Rear Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. GAWR from certification label</td>
<td>1,017 kg (2,241 lbs)</td>
<td>911 kg (2,008 lbs)</td>
<td></td>
</tr>
<tr>
<td>B. Tire load rating of labeled tire size at labeled inflation pressure*</td>
<td>755 kg (1,665 lbs)</td>
<td>755 kg (1,665 lbs)</td>
<td></td>
</tr>
<tr>
<td>C. Reduced tire load rating if applicable**</td>
<td>686 kg (1,514 lbs)</td>
<td>686 kg (1,514 lbs)</td>
<td></td>
</tr>
<tr>
<td>D. (No. of tires) x (Tire load rating de-rated if appropriate)</td>
<td>1,372 kg (3,026 lbs)</td>
<td>1,372 kg (3,026 lbs)</td>
<td></td>
</tr>
</tbody>
</table>

Is “D” equal to or greater than “A”? Yes | Yes

---

*Reference source used for determining load rating: 2008 Tire and Rim Association Yearbook

** If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire’s load rating is reduced by dividing by 1.10.

### Data Indicates Compliance:

**Pass/Fail:** PASS

**Remarks:** None

---

**Recorded By:** Todd P. Groghan  
**Date:** February 23, 2009

**Approved By:** Kenneth H. Yates
DATA SHEET 5 (1 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2009 Nissan Rogue four-door MPV

VEHICLE NHTSA NUMBER: C95205 VIN: JN8AS58T59W320598


Full Fluid Levels: Fuel Full Coolant Full Other Fluids* Full
* Transmission, windshield washer, brake fluid, engine oil, etc.

Tire Pressures: LF 230 kPa (33 psi) LR 230 kPa (33 psi)
(cold, prior to loading vehicle) RF 230 kPa (33 psi) RR 230 kPa (33 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

Measured Unloaded Vehicle Weight

<table>
<thead>
<tr>
<th></th>
<th>LF 455 kg (1,004 lb)</th>
<th>LF 230 kPa (33 psi)</th>
<th>LR 293 kg (646 lb)</th>
<th>LR 230 kPa (33 psi)</th>
<th>RF 442 kg (975 lb)</th>
<th>RF 230 kPa (33 psi)</th>
<th>RR 304 kg (670 lb)</th>
<th>RR 230 kPa (33 psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle</td>
<td>897 kg (1,979 lb)</td>
<td>Front Axle 983 kg (2,168 lb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear Axle</td>
<td>597 kg (1,316 lb)</td>
<td>Rear Axle 715 kg (1,577 lb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Vehicle Weight</td>
<td>1,494 kg (3,295 lb)</td>
<td>Total Vehicle Weight 1,698 kg (3,745 lb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard = 5
(2) Normal Load Number of Occupants 3
   Occupant Distribution: Front Seat 2 Second Seat 1
(3) Total Normal Occupant Load 204 kg (450 lb)
   [# of occupants x 68 KG per occupant]
(4) Measured Normal Load on Axles
   LF 499 kg (1,101 lb) LR 351 kg (774 lb)
   RF 484 kg (1,067 lb) RR 364 kg (803 lb)
   Front Axle 983 kg (2,168 lb) Rear Axle 715 kg (1,577 lb)
   Total Vehicle Weight 1,698 kg (3,745 lb)
(5) Calculated Vehicle Normal Load on the Tire
Front Tires \[\text{measured front axle normal load}/2\] = 492 kg \((1,084 \text{ lbs})\)
Rear Tires \[\text{measured rear axle normal load}/2\] = 358 kg \((789 \text{ lbs})\)

(6) Measured Normal Load on Tire vs. Value of 94% of Load Rating for that Tire at Specified Pressure

<table>
<thead>
<tr>
<th>A. Calculated Vehicle Normal Load on the Tire from (5)</th>
<th>FRONT AXLE</th>
<th>REAR AXLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>492 kg ((1,084 \text{ lbs}))</td>
<td>358 kg ((789 \text{ lbs}))</td>
<td></td>
</tr>
<tr>
<td>B. Tire load rating of installed tire size at recommended inflation pressure*</td>
<td>755 kg ((1,665 \text{ lbs}))</td>
<td>755 kg ((1,665 \text{ lbs}))</td>
</tr>
<tr>
<td>C. Reduced tire load rating**</td>
<td>686 kg ((1,514 \text{ lbs}))</td>
<td>686 kg ((1,514 \text{ lbs}))</td>
</tr>
<tr>
<td>D. 94% of reduced tire load rating</td>
<td>645 kg ((1,423 \text{ lbs}))</td>
<td>645 kg ((1,423 \text{ lbs}))</td>
</tr>
<tr>
<td>Is “D” equal to or greater than “A”?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Reference source used for tire/rim match verification:

2008 Tire and Rim Association Yearbook

** If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire’s load rating is reduced by dividing by 1.10.

Vehicle Normal Load on the tire is not greater than 94% of the Recommended Cold Inflation Load Rating.

PASS/FAIL

Front Tires \(\text{PASS}\)
Rear Tires \(\text{PASS}\)
**DATA SHEET 5 (3 of 4)**
**CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT**

### C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

Seating Capacity:  Total 5 ;  Front 2 ;  Rear 3

Full Occupant Load 340 kg (750 lbs)

[# of occupants x 68 KG per adult occupant and 54 KG per student occupant]

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>LR</th>
<th>RF</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>510 kg (1,124 lb)</td>
<td>409 kg (902 lb)</td>
<td>496 kg (1,093 lb)</td>
<td>420 kg (926 lb)</td>
</tr>
</tbody>
</table>

Front Axle 1,006 kg (2,217 lb)  Rear Axle 829 kg (1,828 lb)

**Total Vehicle Weight 1,835 kg (4,045 lb)**

### D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

1. Vehicle Capacity Weight (from placard) 408 kg (900 lbs)
2. Full Occupant Load (from above) 340 kg (750 lbs)
3. Luggage/Cargo Load (subtract (2) from (1)) 68 kg (150 lbs)
4. Measured Vehicle Maximum Load on Axles

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>LR</th>
<th>RF</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>506 kg (1,116 lb)</td>
<td>446 kg (984 lb)</td>
<td>493 kg (1,086 lb)</td>
<td>458 kg (1,009 lb)</td>
</tr>
</tbody>
</table>

Front Axle 999 kg (2,202 lb)  Rear Axle 904 kg (1,993 lb)

**Total Vehicle Weight 1,903 kg (4,195 lb)**
## DATA SHEET 5 (4 of 4)
### VEHICLE WEIGHT DISTRIBUTION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Tire or Vehicle Rating*</th>
<th>Unloaded Vehicle Weight</th>
<th>Vehicle Weight with Normal Occupant Load</th>
<th>Vehicle Weight with Full Occupant Load</th>
<th>Vehicle Maximum Weight with Occupants and Cargo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Measured</td>
<td>Over-load</td>
<td>Measured</td>
<td>Over-load</td>
</tr>
<tr>
<td>Left Front Tire</td>
<td>686 kg (1,514 lbs)</td>
<td>455 kg (1,004 lbs)</td>
<td>no</td>
<td>499 kg (1,101 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Right Front Tire</td>
<td>686 kg (1,514 lbs)</td>
<td>442 kg (975 lbs)</td>
<td>no</td>
<td>484 kg (1,067 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Front Axle (GAWR)</td>
<td>1,017 kg (2,241 lbs)</td>
<td>897 kg (1,979 lbs)</td>
<td>no</td>
<td>983 kg (2,168 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Left Rear Tire</td>
<td>686 kg (1,514 lbs)</td>
<td>293 kg (646 lbs)</td>
<td>no</td>
<td>351 kg (774 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Right Rear Tire</td>
<td>686 kg (1,514 lbs)</td>
<td>304 kg (670 lbs)</td>
<td>no</td>
<td>364 kg (803 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Rear Axle (GAWR)</td>
<td>911 kg (2,008 lbs)</td>
<td>597 kg (1,316 lbs)</td>
<td>no</td>
<td>715 kg (1,577 lbs)</td>
<td>no</td>
</tr>
<tr>
<td>Total Vehicle (GVWR)</td>
<td>1,920 kg (4,233 lbs)</td>
<td>1,494 kg (3,295 lbs)</td>
<td>no</td>
<td>1,698 kg (3,745 lbs)</td>
<td>no</td>
</tr>
</tbody>
</table>

*Vehicle and axle weight ratings (GVWR & GAWR) are located on the vehicle certification label. Vehicle tire load ratings are based upon the inflation pressure specified on the Vehicle Placard or Tire Inflation Pressure Label for each respective axle, as determined from the appropriate Tire and Rim reference manual. If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck, or bus, the tire’s load rating is reduced by dividing by 1.10.

**DATA INDICATES COMPLIANCE:** **PASS**

**REMARKS:** None

**RECORDED BY:** Todd P. Groghan **DATE:** February 25, 2009

**APPROVED BY:** Kenneth H. Yates
### Owner’s Manual Discusses:

<table>
<thead>
<tr>
<th>Part 575.6(a) Paragraph</th>
<th>Required Discussion Topic</th>
<th>Discussed in Manual? (YES/NO)</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4)(i)</td>
<td>Tire labeling, including a description and explanation of each marking on the tires provided with the vehicle, and information about the location of the Tire Identification Number (TIN).</td>
<td>YES</td>
<td>8-33, 34</td>
</tr>
<tr>
<td>(4)(ii)</td>
<td>(A) Description and explanation of recommended cold tire inflation pressure.</td>
<td>YES</td>
<td>8-32</td>
</tr>
<tr>
<td></td>
<td>(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).</td>
<td>YES</td>
<td>8-29, 30</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.</td>
<td>YES</td>
<td>5-3, 8-30</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.</td>
<td>YES</td>
<td>8-32</td>
</tr>
<tr>
<td>(4)(iii)</td>
<td>Glossary of tire terminology, including “cold tire pressure,” maximum inflation pressure,” and “recommended inflation pressure,” and all non-technical terms defined in S3 of FMVSS 110 &amp; 139.</td>
<td>YES</td>
<td>8-31, 34</td>
</tr>
<tr>
<td>(4)(iv)</td>
<td>Tire care, including maintenance and safety practices.</td>
<td>YES</td>
<td>8-29, 30</td>
</tr>
<tr>
<td>(4)(v)</td>
<td>(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.</td>
<td>YES</td>
<td>9-14, 15</td>
</tr>
<tr>
<td></td>
<td>(B) Description and explanation for calculating total and cargo load capacities with varying seating configurations including quantitative examples showing/illustrating how the vehicle’s cargo and luggage capacity decreases as the combined number and size of occupants increases.</td>
<td>YES</td>
<td>9-14, 15</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.</td>
<td>YES</td>
<td>9-13</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.</td>
<td>YES</td>
<td>9-17</td>
</tr>
</tbody>
</table>
The following statement, in the English language, is provided verbatim in the Owner’s Manual. Reference Part 575.6(a)(5) YES (X) NO (  )

Steps for Determining Correct Load Limit
(1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle's placard.
(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.
(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5x150) = 650 lbs.)
(5) Determine the combined weight of the luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS
REMARKS: None

RECORDED BY: Todd P. Groghan DATE: February 23, 2009
APPROVED BY: Kenneth H. Yates
## SECTION 4

### TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATFORM SCALE (BALLAST)</td>
<td>HOWE RICHARDSON</td>
<td>MODEL #6401 SERIAL #0181-5509-26</td>
<td>8/5/2008</td>
<td>8/5/2009</td>
</tr>
<tr>
<td>AIR PRESSURE GAUGE</td>
<td>ASHCROFT GENERAL PURPOSE DIGITAL GAUGE</td>
<td>MODEL #D1005PS 02L 100 PSI SERIAL #20017398-01</td>
<td>11/20/2008</td>
<td>11/20/2009</td>
</tr>
<tr>
<td>FLOOR SCALES (VEHICLE)</td>
<td>INTERCOMP SW DELUXE SCALES</td>
<td>PART #100156 SERIAL #27032382</td>
<td>8/5/2008</td>
<td>8/5/2009</td>
</tr>
</tbody>
</table>
SECTION 5
PHOTOGRAPHS
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.1
¾ FRONT VIEW FROM LEFT SIDE OF VEHICLE
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO.110

FIGURE 5.3
VEHICLE CERTIFICATION LABEL
<table>
<thead>
<tr>
<th>TIRE PNEU</th>
<th>SIZE DIMENSIONS</th>
<th>COLD TIRE PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AVANT</td>
<td>P215/70R16 99H</td>
<td>230kPa, 33PSI</td>
</tr>
<tr>
<td>REAR ARRIÈRE</td>
<td>P215/70R16 99H</td>
<td>230kPa, 33PSI</td>
</tr>
<tr>
<td>SPARE DE RÉCHANGE</td>
<td>T155/90D16</td>
<td>420kPa, 60PSI</td>
</tr>
</tbody>
</table>

The combined weight of occupants and cargo should never exceed 408 kg or 900 lbs. Le poids total des occupants et des marchandises ne doit jamais dépasser 408 kg ou 900 lb.
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.5
TIRE SHOWING BRAND
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING MODEL
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.7
TIRE SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL
MAX. INFLATION 300 KPA (44 PSI)
MAX. LOAD 775 KG (1709 LBS)
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS 110

RIM SHOWING LETTER DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS, SIZE, DOT NAME, MANUFACTURER’S SYMBOL, DATE OF MANUFACTURE, AND OTHER RIM MARKINGS

FIGURE 5.10
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.11
OTHER RIM MARKINGS
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.12
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.13
VEHICLE REAR SEAT BALLASTED
FOR NORMAL LOAD
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.14
VEHICLE FRONT SEAT BALLASTED
FOR NORMAL AND MAXIMUM LOADS
FIGURE 5.15
VEHICLE REAR SEAT BALLASTED FOR MAXIMUM LOAD
2009 NISSAN ROGUE
NHTSA NO. C95205
FMVSS NO. 110

FIGURE 5.16
REAR OF VEHICLE SHOWN
BALLASTED FOR MAXIMUM LOAD
FIGURE 5.17
VEHICLE ON WEIGHT SCALES